GitHub Username: petq01

Xkcd comics

Description

The app allows user to read newest comics.
He can add favorite comics via heart button.
On main screen he can select list of favorites, current comics or random.
He can page navigate different pages of comics.
”Add to widget” button user can save story of comics.

Intended User

User who loves reading comics and is a fan of memes.

Features

List the main features of your app. For example:

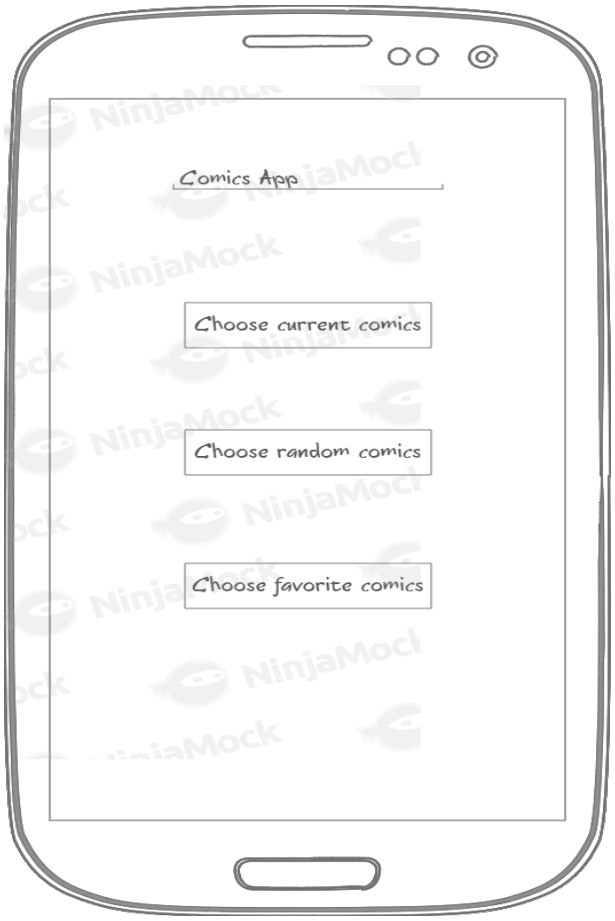
- Saves information in local storage, like title, and story of comics. To have personalized list of favorite collection.
- Navigation thought list of favorite collection and api call.
-

User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

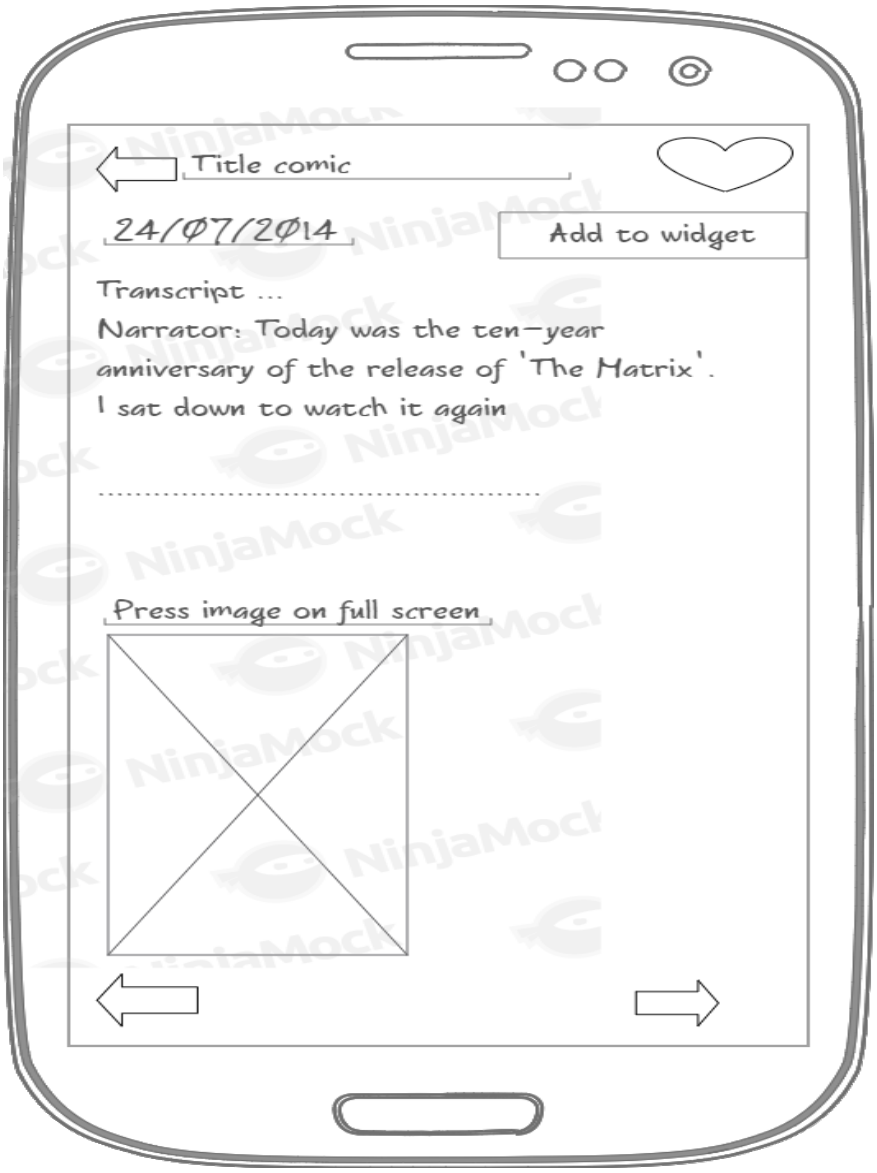
Screen 1

Main screen choose which category comics you should read.

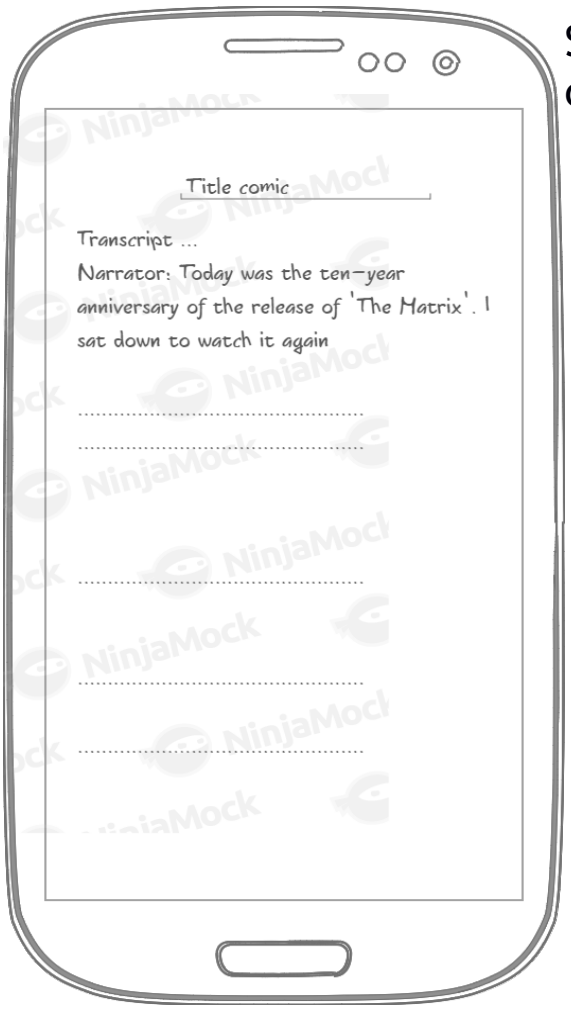


Screen 2 Detail/ Favorite item screen of comics.

Add button to favorite collection. Image shows on fullscreen on click. Button add to widget adds transcript of story of the comics.

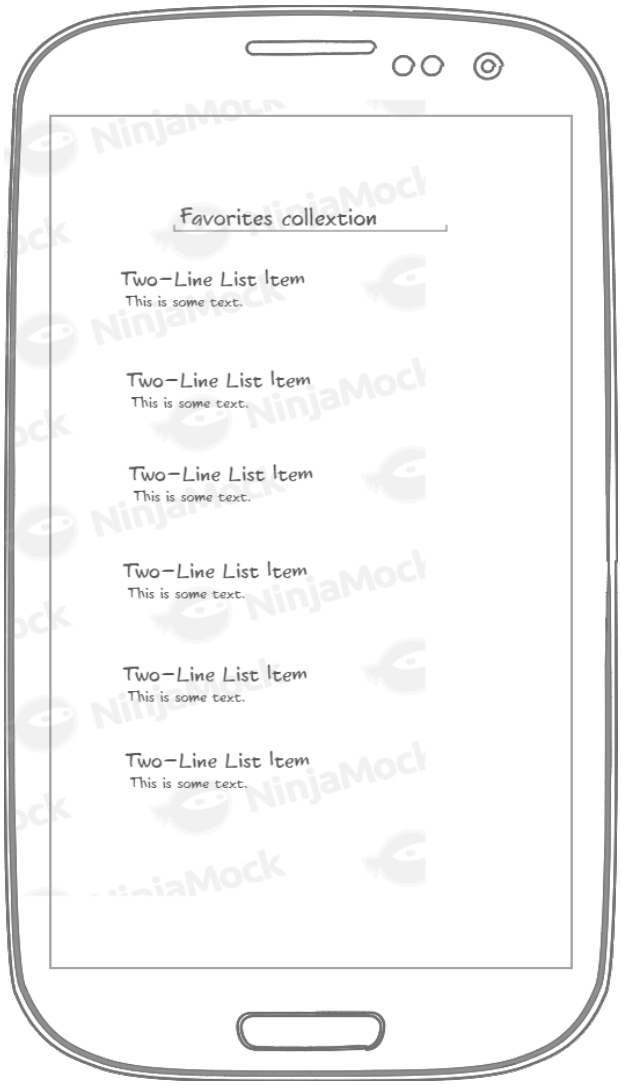


Screen 3 Widget screen



Screen with transcript and title of comics.

Screen 4 Favorites list


Favorites collextion
Two-Line List Item
This is some text.
Two-Line List Item
This is some text.
Two-Line List Item
This is some text.
Two-Line List Item
This is some text.
Two-Line List Item
This is some text.
Two-Line List Item
This is some text.

Key Considerations

How will your app handle data persistence?

Describe how your app with handle data. (For example, will you build a Content Provider ?)
Content provider with Room persistence library

Describe any edge or corner cases in the UX.

On rotate device it save instance and app not crashing.

Describe any libraries you'll be using and share your reasoning for including them.

- **App provides latest version** all libraries, Gradle, and Android Studio
- AndroidSupportVersion = "25.3.0" For android libraries, android studio version 3.1.3
- `com.android.tools.build:gradle:3.1.3`

```
compileSdkVersion 25
                    buildToolsVersion '27.0.3'

minSdkVersion 19
                targetSdkVersion 25
```

-

Room Persisence library
compile 'android.arch.persistence.room:runtime:1.0.0'
    annotationProcessor 'android.arch.persistence.room:compiler:1.0.0'
RxAndroid
 implementation 'io.reactivex.rxjava2:rxandroid:2.0.2'
    implementation 'io.reactivex.rxjava2:rxjava:2.1.10'
Retrofit
compile 'com.squareup.retrofit2:retrofit:2.3.0'
    compile 'com.squareup.retrofit2:converter-gson:2.3.0'
  compile 'com.google.code.gson:gson:2.8.2'
    compile 'com.jakewharton.retrofit:retrofit2-rxjava2-adapter:1.0.0'
 Design
Picasso

compile 'com.squareup.picasso:picasso:2.5.2'

    androidTestImplementation 'com.android.support.test.espresso:espresso-core:3.0.1'
compile 'com.jakewharton:butterknife:8.8.1'
    annotationProcessor 'com.jakewharton:butterknife-compiler:8.8.1'

Describe how you will implement Google Play Services or other external services.

Admob – for free version and paid
Deployed backend to supply more comics and jokes in GCM.

- **App is written solely in the Java Programming Language.**

- App has update of the request on every 5 minutes, to show current number of newest comics.
  Observable.interval(0, 5, TimeUnit.MINUTES

  Implementation of SyncAdapter for syncronizing newest comics

- accessibility is supported by content description in every imageview and possibility for RTL text

- resources will be stored in versions like strings in different languages for example

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:

- Configure libraries

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI Fragments CategoryFragment and DetailFragment, FavoritesFragment

Task 3:Setup flavours

- “Implement Google Play Services,” or “Handle Error Cases,” or “Create Build Variant.”
- Create unit tests

Task 4: Setup relationships of db

- Create favorites table
- Save transcript in widget

Task 5: Create proper navigation

- Save perference on number selected and move arrows between comics

Task 6: Zoom picture in full screen

- Click on image t make it on fullscreen comics

Task 7: Make nice colors and accents, choose nice fonts

- Choose useful layouts and nice views for the user

Task 8: GCM backend supply jokes and comics

API URL
https://xkcd.com/json.html